

Claims

1. Sealing gasket with magnetic closure particularly for door wings, doors, windows and the like comprising:

a supporting section bar (2) comprising an attachment base and a rabbet portion (4) presenting a striking face (4a) set to come to rest against a surface with which it is to realise the closure, and

a magnetised element (5) inserted in said rabbet portion (4) of the supporting section bar (2) and presenting on a main face (5a) corresponding to said striking face (4a), at least for a pre-fixed portion of the longitudinal extension of the element (5) itself, at least a pair of magnetised longitudinal bands (6, 7) with opposite polarity in correspondence with each cross section, characterised in that each of said magnetised longitudinal bands (6, 7) comprises at least a pair of segments (6a and 6b, 7a and 7b) substantially of equal or similar lengths,

said pair of segments presenting magnetic charges of homogeneous polarity in each segment and of opposite polarity with respect to that of the other segment,

each said segment of each longitudinal band being laterally flanked and being longitudinally adjacent to segment of opposite polarity.

2. Gasket according to claim 1, characterised in that said rabbet portion (4) presents, in its cross section, a substantially right triangle profile so as to position said striking face (4a) inclined by about 45° with respect to said attachment base (3).

3. Gasket according to claim 1, characterised in that said rabbet portion (4) presents in its cross section a substantially rectangle profile so as to position said striking face (4a) parallel with respect to said attachment base (3).

4. Gasket according to any of the previous claims, characterised in that the main face of the element (5) comprises a plurality of magnetised longitudinal bands,

positioned parallel to each other and in an even number.

5 5. Gasket according to any of the previous claims, characterised in that each of said longitudinal bands (6, 7; 8, 9, 10, 11; 6, 7) comprises a plurality of segments (6a, 6b, 7a, 7b; 8a, 8b, 9a, 9b, 10a, 10b, 11a, 11; 6a, 6b, 6c, 6d, 7a, 7b, 7c, 7d) positioned mutually adjacent and in an even number.

10 6. Gasket according to any of the previous claims, characterised in that said supporting section bar (2) is made of plastic material and said element (5) is made of plastic material wherein particles of material able to be magnetised are distributed.

15 7. Gasket according to claim 6, characterised in that said element (5) is made of plasto-ferrite.

8. Gasket according to any of the previous claims, characterised in that said element (5) is strip-shaped and presents constantly shaped cross section along the longitudinal development of the element (5) itself.

20 9. Gasket according to any of the previous claims, characterised in that the element (5) has its main face (5a) magnetised substantially over its entire longitudinal development.

25 10. Method for the realisation of a sealing gasket with magnetic closure particularly for door wings, doors, windows and the like, preferably of the type described in one or more of the previous claims, said method being characterised in that it comprises the following phases:

making a preferably strip-shaped element made of material capable of being magnetised advance continuously,

inserting said element into a supporting section bar made of plastic resin,
subdividing at least into a pair of areas of equal length each portion of said
supporting section bar, internally fitted with said strip-shaped element, destined to
form a gasket presenting the required longitudinal development,

5 subjecting to magnetisation said areas of equal length so as to form, on a main face
(5a) of said strip-shaped element corresponding to a striking face of the supporting
section bar, at least a pair of magnetised longitudinal bands (6, 7) subdivided each
into segments (6a, 6b, 7a, 7b) corresponding to said areas of equal length and
presenting homogeneous magnetic charges in each segment and of opposite polarity
10 with respect to the laterally flanking segment and to the longitudinally adjacent
segment.

11. Method according to claim 10, characterised in that before or after said
magnetisation phase there is a phase wherein said portion of the supporting section
15 bar destined to form a gasket is cut transversely.

12. Method according to claim 10, characterised in that said preferably strip-
shaped element is continuously unwound from a suitably pre-packaged coil.

20 13. Magnetised element, in particular for sealing gaskets of the type described
in one or more of the claims from 1 to 9, comprising on its main face (5a) and at
least for a pre-set portion of the longitudinal extension of the element (5) itself, at
least a pair of magnetised longitudinal bands (6, 7) of opposite polarity in
correspondence with each cross section, characterised in that each of said magnetised
25 longitudinal bands (6, 7) comprises at least a pair of segments (6a) and (6b), (7a) and
(7b) substantially of equal or similar length, said pair of segments presenting
magnetic charges of homogeneous polarity in each segment and of opposite polarity
with respect to that of the other segment,
each said segment of each longitudinal band being laterally flanked and being

longitudinally adjacent to segments of opposite polarity.

14. Element according to claim 13, characterised in that the main face of the magnetised element comprises a plurality of magnetised longitudinal bands positioned parallel to each other and in an even number.

15. Element according to claim or claim 14, characterised in that each of said longitudinal bands (6, 7; 8, 9, 10, 11; 6, 7) comprises a plurality of segments (6a, 6b, 7a, 7b; 8a, 8b, 9a, 9b, 10a, 10b, 11a, 11; 6a, 6b, 6c, 6d, 7a, 7b, 7c, 7d) positioned mutually adjacent, and in an even number.

16. Element according to any of the claims 13 through 15, characterised in that said the magnetised element is made of plastic material wherein particles of material able to be magnetised are distributed.

17. Element according to claims 13 through 15, characterised in that it is made of plasto-ferrite.

18. Element according to any of the claims 13 through 17, characterised in that it presents strip-shaped structure and constantly shaped cross section along the longitudinal development of the element itself.

19. Gasket according to any of the claims 13 through 18, characterised in that it has its main face (5a) magnetised substantially over its entire longitudinal development.